PENDING CLAIMS

1. (PREVIOUSLY PRESENTED) An image processing apparatus, comprising:

a storage device recording screen information of picture information; and

an image controlling circuit controlling input and output of picture information, comprising:

a copy guard detecting circuit detecting a copy guard signal, indicating a copying prohibition, included in an input video signal of picture information,

a video decoding circuit digitizing the input video signal, and

an image processing circuit reducing screen information digitized by said video decoding circuit, to deteriorate an image quality, and storing the reduced screen information to said storage device, in a case where said copy guard detecting circuit detects the copy guard signal,

wherein screen information includes a first part and a second part and the stored reduced screen information includes only the first part.

2. (PREVIOUSLY PRESENTED) An image processing apparatus, comprising:

a storage device recording screen information of picture information; and

an image controlling circuit controlling input and output of picture information, comprising:

a copy guard detecting circuit detecting a copy guard signal, indicating a copying prohibition, included in an input video signal of picture information,

a video decoding circuit digitizing the input video signal, and

an image processing circuit preventing from storing screen information digitized by said video decoding circuit to said storage device, in a case where said copy guard detecting circuit detects the copy guard signal,

wherein the picture information input from a first device is stored at the storage device in order to record and the stored picture information is outputted in order to reproduce.

3. (PREVIOUSLY PRESENTED) An image processing apparatus, comprising:

a storage device recording screen information of picture information; and

an image controlling circuit controlling input and output of picture information, comprising:

a copy guard detecting circuit detecting a copy guard signal, indicating a copying prohibition, included in an input video signal of picture information,

a video decoding circuit digitizing the input video signal, and

an image processing circuit storing to said storage device, both screen

information digitized by said video decoding circuit and the fact of the detection by said copy guard detecting circuit of the copy guard signal.

4. (PREVIOUSLY PRESENTED) An image processing apparatus as claimed in claim 3, wherein the image controlling circuit, further comprises:

a video encoding circuit encoding screen information and outputting a video signal; and

said image processing circuit further comprises a circuit reducing the screen information, to deteriorate an image quality, in a case where an output of screen information stored in the storage device is ordered,

wherein screen information includes a first part and a second part and the stored reduced screen information includes only the first part.

5. (PREVIOUSLY PRESENTED) An image processing apparatus as claimed in claim 3, wherein the image controlling circuit, further comprises:

a video encoding circuit encoding screen information and outputting a video signal; and

a prohibiting circuit preventing said video encoding circuit from outputting the video signal, in a case where an output of screen information stored in the storage device is ordered.

6. (PREVIOUSLY PRESENTED) An image processing apparatus as claimed in claim 3, wherein the image controlling circuit, further comprises:

a video encoding circuit adding a copy guard signal to the output of screen information stored at the storage device, encoding and outputting a video signal.

7-9. (CANCELLED)

10. (PREVIOUSLY PRESENTED) An image processing apparatus, comprising:

a storage device recording screen information of picture information; and

an image controlling circuit controlling screen information which is recorded at said storage device, comprising:

an image processing circuit reducing the screen information, to deteriorate an image quality, in a case where the screen information is protected from copying, and

a video encoding circuit encoding the screen information and outputting a video signal.

11. (PREVIOUSLY PRESENTED) An image processing apparatus, comprising:

a storage device, wherein screen information of picture information and picture information stored at the storage device is outputted to reproduce; and

an image controlling circuit controlling screen information which is recorded at said storage device, comprising:

a video encoding circuit encoding the screen information and outputting a video signal, and

a prohibiting circuit preventing said video encoding circuit from outputting the video signal, in a case where the screen information is protected from copying.

12. (PREVIOUSLY PRESENTED) An image processing apparatus, comprising:

a storage device, wherein screen information of picture information and picture information stored at the storage device is outputted to reproduce; and

an image controlling circuit controlling screen information which is recorded at ~~a~~ said storage device, comprising:

a video encoding circuit adding a copy guard signal, indicating a copying prohibition, in a case where the screen information is protected from copying, encoding the screen information and outputting a video signal.

13. (PREVIOUSLY PRESENTED) A method for controlling image information, comprising:

detecting a copy guard signal, indicating a copying prohibition, included in an input video signal;

digitizing the input video signal;

reducing the digitized screen information, to deteriorate an image quality, in a case where the copy guard signal has been detected; and

storing the reduced screen information,

wherein screen information includes a first part and a second part and the stored reduced screen information includes only the first part.

14. (PREVIOUSLY PRESENTED) A method for controlling image information, comprising:

detecting a copy guard signal, indicating a copying prohibition, included in an input video signal;

digitizing the input video signal; and

preventing a storing of screen information, in a case where the copy guard signal has been detected,

wherein picture information input from a first device is stored at a storage device in order to record and the stored picture information is outputted in order to reproduce.

15. (PREVIOUSLY PRESENTED) A method for controlling image information, comprising:

detecting a copy guard signal, indicating a copying prohibition, included in an input video signal;

digitizing the input video signal; and

storing both digitized screen information and a fact that the copy guard signal has been detected.

16. (PREVIOUSLY PRESENTED) A method for controlling image information as claimed in claim 15, further comprising:

reducing the screen information stored at the storage device to deteriorate an image quality; and

outputting a video signal of the reduced screen information,

wherein outputting the reduced screen information is to output a part of the screen information and not to store another part of the screen information.

17. (PREVIOUSLY PRESENTED) A method for controlling image information as claimed in claim 15, further comprising:

preventing outputting of the video signal, in a case where an output of screen information, stored at the storage device, is ordered.

18. (PREVIOUSLY PRESENTED) A method for controlling image information as claimed in claim 15, further comprising:

outputting the screen information as a video signal; and

adding a copy guard signal to the output of the video signal.

19.-21. (CANCELLED)

22. (PREVIOUSLY PRESENTED) A method for controlling image information, comprising:

recording digitized screen information;

reducing the digitized screen information to deteriorate quality of an image, in a case where the digitized screen information is protected from copying; and

outputting a video signal of the screen information.

23. (PREVIOUSLY PRESENTED) A method for controlling image information, comprising:

recording digitized screen information;

preventing outputting of a video signal, in a case where the screen information is protected from copying; and

outputting picture information stored at a storage device to reproduce.

24. (PREVIOUSLY PRESENTED) A method controlling image information, comprising:

recording digitized screen information;

outputting the digitized screen information as a video signal; and

adding a copy guard signal, indicating a copying prohibition, to the output video signal, in a case where the screen information is protected from copying; and

outputting picture information stored at a storage device to reproduce.

25. (PREVIOUSLY PRESENTED) A computer readable storage storing a computer-readable program which controls a computer system to execute an image controlling process, by:

detecting a copy guard signal, indicating a copying prohibition, included in an input video signal; and

reducing screen information to deteriorate an image quality, digitized out of the input video signal, in a case where the copy guard signal is detected;

storing reduced screen information,

wherein screen information includes a first part and a second part and the stored reduced screen information includes only the first part.

26. (PREVIOUSLY PRESENTED) A computer-readable storage storing a computer-readable program which controls a computer system to execute an image controlling process,

by:

detecting a copy guard signal, indicating a copying prohibition, included in an input video signal; and

preventing storing of the input video signal, as digitized, in a case where the copy guard signal is detected,

wherein picture information input from a first device is stored at a storage device in order to record and the stored picture information is outputted in order to reproduce.

27. (PREVIOUSLY PRESENTED) A computer readable storage storing a computer-readable program which controls a computer system to execute an image controlling process, by:

detecting a copy guard signal, indicating a copying prohibition, included in an input video signal; and

storing to a storage device, both digitized screen information and fact that the copy guard signal has been detected.

28. (PREVIOUSLY PRESENTED) The image processing apparatus according to claim 1, wherein the screen information is reduced by at least one of pixel reduction, line reduction, and frame reduction.

29. (PREVIOUSLY PRESENTED) The image processing apparatus according to claim 1, wherein the inputted picture information displayable on a screen of a display device is not reduced both when the copy guard signal is not detected and when the detected copy guard signal indicates a copying restriction.

30. (PREVIOUSLY PRESENTED) The image processing apparatus according to claim 2, wherein the inputted picture information is displayable on a screen of a display device without a deterioration of image quality both when the image processing circuit is prevented, and not prevented, from storing screen information.

31. (PREVIOUSLY PRESENTED) The image processing apparatus according to claim 3, wherein the inputted picture information is displayable on a screen of a display device without deterioration both when the copy guard signal is not detected and when the detected copy guard signal indicates the copying prohibition.

32. (PREVIOUSLY PRESENTED) The image processing apparatus according to claim 4, wherein the inputted picture information displayable on a screen of a display device is not reduced.

33. (PREVIOUSLY PRESENTED) The image processing apparatus according to claim 10, wherein the screen information is reduced by at least one of pixel reduction, line reduction, and frame reduction.

34. (PREVIOUSLY PRESENTED) The image processing apparatus according to claim 10, wherein inputted picture information is displayable on a screen of a display device without being reduced both when the screen information is both protected, and not protected, from copying.

35. (PREVIOUSLY PRESENTED) The image processing apparatus according to claim 11, wherein inputted picture information is displayable on a screen of a display device without being reduced both when the screen information is both protected, and not protected, from copying.

36. (PREVIOUSLY PRESENTED) The image processing apparatus according to claim 12, wherein inputted picture information is displayable on a screen of a display device without being reduced both when the screen information is both protected, and not protected, from copying.

37. (PREVIOUSLY PRESENTED) The method for controlling image information according to claim 13, wherein reducing the digitized screen information is by at least one of pixel reduction, line reduction, and frame reduction.

38. (PREVIOUSLY PRESENTED) The method for controlling image information according to claim 13, wherein inputted picture information is displayable on a screen of a display device without being reduced both when the screen information is both protected, and not protected, from copying.

39. (PREVIOUSLY PRESENTED) The method for controlling image information according to claim 14, wherein inputted picture information is displayable on a screen of a

display device without being reduced both when the screen information is both protected, and not protected, from copying.

40. (PREVIOUSLY PRESENTED) The method for controlling image information according to claim 15, wherein inputted picture information is displayable on a screen of a display device without being reduced both when the screen information is both protected, and not protected, from copying.

41. (PREVIOUSLY PRESENTED) The method for controlling image information according to claim 16, wherein reducing the digitized screen information is by at least one of pixel reduction, line reduction, and frame reduction.

42. (PREVIOUSLY PRESENTED) The method for controlling image information according to claim 22, wherein reducing the digitized screen information is by at least one of pixel reduction, line reduction, and frame reduction.

43. (PREVIOUSLY PRESENTED) The method for controlling image information according to claim 22, wherein inputted picture information is displayable on a screen of a display device without being reduced both when the screen information is both protected, and not protected, from copying.

44. (PREVIOUSLY PRESENTED) The method for controlling image information according to claim 23, wherein inputted picture information is displayable on a screen of a display device without being reduced both when the screen information is both protected, and not protected, from copying.

45. (PREVIOUSLY PRESENTED) The method for controlling image information according to claim 24, wherein inputted picture information is displayable on a screen of a display device without being reduced both when the screen information is both protected, and not protected, from copying.

46. (PREVIOUSLY PRESENTED) The computer-readable storage storing a computer-readable program according to claim 25, wherein the screen information is reduced by at least one of pixel reduction, line reduction, and frame reduction.

47. (PREVIOUSLY PRESENTED) The computer-readable storage storing a computer-readable program according to claim 25, wherein inputted picture information is displayable on a screen of a display device without being reduced both when the screen information is both protected, and not protected, from copying.

48. (PREVIOUSLY PRESENTED) The computer-readable storage storing a computer-readable program according to claim 26, wherein inputted picture information is displayable on a screen of a display device without being reduced both when the screen information is both protected, and not protected, from copying.

49. (PREVIOUSLY PRESENTED) The computer-readable storage storing a computer-readable program according to claim 27, wherein inputted picture information is displayable on a screen of a display device without being reduced both when the screen information is both protected, and not protected, from copying.